53. Watery Discharge from the Uterns During Pregnancy.—Dr. Harver made the following remarks on this affection at a meeting of the Cork Med. and Surg. Sec., Dec. 9, 1857: "In some books on Midwifery, watery discharge from the uterus is noticed as amongst the diseases to which pregnant women are liable. A clear, limpid, colourless fluid, oozing in quantity from a few ounces to pints shily, flows away, sometimes stopping for a short time, and recommencing; and in the majority of cases It continues nearly, or fully to the time of delivery. The abdonnen does not appear palpably reduced by these discharges, and a living child is commonly born at or near the full time. In the greater number of instances, also, there is evidence of the usual quantity of liquor annii being present on the supervention of labour. Dr. Alexander's case, given in the third volume of the Medical Commentaries, shows this very prominently. In a case by Dr. Petel, also, in the Gazette des Hopitanx of July, 1838, the liquor annii is specially mentioned as normal is equantity.

"What is the source of this fluid, discharged, as it is, to the amount of hundreds of pints in the course of a few months? The supposition of its coming from the cervical glands of the utorus, or from the vagina, both of which have been assumed as sources of it by different authorities, appears oltogether unlikely from the noture of the fluid, its quantity, and its mode of coming eway in gushes of considerable quantity at a time. That it could come from the space between the decidua and chorion, or between the chorion and amnion, we have no pathological focts, so far as I are sware, to worrant our supposing such a source for the flow; whilst in the natural condition of parts such spaces do not exist; as, at a period of pregnancy before these discharges commonly show themselves (say the sixth month, or thereabouts), the cavity between the chorion and amnion has disappeared; and we know that the chorioe and deci-

dun are in contact throughout.

"Under these circumstances we seem driven to the conclusion that the ameion must be the source of this flow; that there may be occasional solutions of continuity in this membrane, admitting of discharges from time to time, which either close again, or admit by the mechanical relations of the bag to the oeighbouring parts of the omeion, refilling to a certain extent by n fresh secretion of its peculiar fluid. In confirmation of this view may be mentioned cases recorded by Dr. Denmon, Professor Burns, of Glasgow, and Dr. Pectland, of Dublin, in which the amnion is said to have given way from fright, or other sudden shock, the waters being discharged without labour coming on. All these considerations teed rather to the view that the escuping fluid may be liquor amnit than to ony other which has been propoueded. In the case which I am going to relate the symptoms were similar to those which were present in the cases of watery discharge which I have been noticing, and in this instance, as will be seen, the flow was undoubtedly amniotic.

"Mrs, ----, mother of several children, was, for more than o year, the subject of heavy sanguincous discharges, which were so little influenced by the treatment adopted that the existence of polypus was thought possible. An examination revealed considerable congestion of the os and cervix uteri, with superficial ulceration, which gave way to treatment generally and locally applied. During last summer her health was considerably improved, but occasionally menorrhagic attacks, which inttorly observed more or less closely the monthly periods, showed themsolves. Mutters were going on thus when she suffered a considerable shock by her oldest boy meeting with a severe accident, in which his arm was fractured. On that day, for the first time (six weeks before delivery), she had a sudden gush of clear watery fluid from the vagina, and since that time to the date of these untes (5th November), she was scoreely free from it; it would diminish or nearly stop for n few days at a time, to come on again in gushes, and in considerable quantity. The quantity escaping in one of these was seldom less, and generally more, than half a pint; and on the late occasion, when the flow was accompanied by a heavy sanguiucous discherge also, she thinks the combined amount was fully a quart. It came ou ie the horizontal position as well as in the erect, and apportutly without any cause. The size of the abdomen did not appear much affected by these at any time. "The occurrence of the watery discharge suggesting the probability of pregnanoy, notwithstanding the menstrunl clumges which had been going on with some regularity, and that, if pregnancy did exist, the owner might have suffered hydrid degeneration, I proposed an examination for the purpose of ascertaining the point. I found an abdominal tumour occupying the hypogastrium to above the ambilicus, and on laying my hands over its surface, it gave a good example of the value of a diagnostic indication lately suggested by Dr. Oldhan; it afforded distinct evidence of its being uterine by gradually and regularly hardening under my hand. The movements of the child were also folt, and footal pulsation, distinctly heard by the stothescope, put an end to all doubts.

"I fold the lady that she had passed sume six or hear seven month of her pregnancy without being aware of it, and that her labour would probably come on prematurely, all of which she entirely disbelieved, and I cauld not induce her to make the necessary preparations. Two days after, I was called to her—the first stage of labour having set in with unusual distress and irritation; the pains peculiarly sharp and unhearable; the os uteri was hard and unyielding, and the breech, presenting in the second position, was felt in close counted. I immediately put her on antimonial solution, notwithstanding which the os uteri took over three hours to relax. After a first slage af about four and a half hours, and a second of less than half an hour, a nale child, of searcely seven months' growth, was born. The presenting hip and buttock were perfectly blook, cridently from the direct pressure ta which thay had been subjected, in consequence of the lass of the liquor annii. None whatever oscaped with the child, and the sangnineous discharge was also unusually seanty. I do not think I ever witnessed so dry a labour."—Dublia Quart, Journ. Med. Sci., Fob. 1838.

54. On the Action of Galeanism upon the Contractile Structure of the Gravid Uterus, and its Remedial Powers in Obstetric Practice.—Dr. F. W. MACKENZIE read before the Royal Medical and Chirurgical Society, Feb. 23d, 1858, an

interesting paper on this subject.

In his introductory remarks, he drew the attention of the Society to the present state of professional opinion respecting the effective and remedial powers of galvanism upon the gravid uterus, and he pointed out the very different conclusions which different observers had arrived at. In this divided state of opinion, it had appeared to him that some further investigations might be usefully undertaken, and he submitted that two questions of a preliminary nature require to be decided before the agent could be satisfactorily employed in midwifery: 1st. The nature of the influence exercised by it upon the contractile structure of the gravid uterus; and 2d. The best mode of applying it so as tu obtain the full benefit of such influence. Believing that these questions could not be satisfactorily solved by observations made exclusively upon the human female, the author had plonned and instituted some experiments upon the gravid uterus of the lower animals, in which the organ was exposed, and the exact influence exercised by it was observed. From these experiments, it was shown that galvanism exarcises a remnrkable and peculiar influence upon the nterine fibro, and it further appeared, after many observations, that this was most powerfully exercised when the galvanie current was directed longitudinally through the uterus from the upper portion of the spinnl cord in a sustained and continuous manner. The local application of galvanism to the nterus was less effective; individual shocks produced no appreciable effect upon it, and a current directed transversely through the organ produced only a partial contraction of it in the direction of the current. Guided by the information thus obtained, the author lind employed galvanism in the manner suggested by these inquiries in several very critical cases with remarkable success. The first referred to was that of a lady who had repeated floodings, in councotion with an early abortion, owing to an imperfect separation and expulsion of the ovum. In this, every available means had been tried to stimulate the uterus and control hemorrhago without success, and the patient's condition had, at length, become highly critical. In this emergency, a sustained current of electricity was directed longitudinally through the uterus from the upper portion